

FORM PTO-1390 (Modified)
(REV. 07-2004)

U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE

ATTORNEY'S SOCKET NUMBER

TRANSMITTAL LETTER THE UNITED STATES

220401-1

DESIGNATED/ELECTED OFFICE (DO/EO/US)

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

To Be Determined

506740

INTERNATIONAL APPLICATION NO.

PCT/EP03/02363

INTERNATIONAL FILING DATE

07 March 2003

PRIORITY DATE CLAIMED

07 March 2002

TITLE OF INVENTION

CG3842 HOMOLOGOUS PROTEINS INVOLVED IN THE REGULATION OF ENERGY HOMEOSTASIS

APPLICANT(S) FOR DO/EO/US

GEESE, Marcus; MEISE, Martin; and BRONNER, Gunter

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).

22. ☒ Express Mail Label No. EV547997503US

23. ☒ Other items or information: PCT Request (PCT/RO/101); Notification Relating to Declaration made Under PCT Rule 4.17 (PCT/IB/371); Notification of the Recording of a Change (PCT/IB/306); Hard copy of Sequence Listings; Credit Card Authorization; Return Postcard

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|--|--|--|--|--|--|
| U.S. APPLICATION NO. 20/501540 To Be Determined | | INTERNATIONAL APPLICATION NO. PCT/EP03/02363 | | ATTORNEY'S DOCKET NUMBER 220401-1020 | |
|--|--|--|--|--|--|

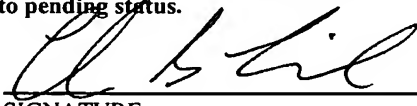
| | | | | | |
|---|---------------------|---------------------|-------------|----------------------------------|----|
| 24. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) : <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1080.00 <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$770.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT = | | | | CALCULATIONS PTO USE ONLY | |
| | | | | \$920.00 | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$0.00 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 27 - 20 = | 7 | x \$18.00 | \$126.00 | |
| Independent claims | 10 - 3 = | 7 | x \$86.00 | \$602.00 | |
| Multiple Dependent Claims (check if applicable). <input type="checkbox"/> | | | | \$0.00 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$1,648.00 | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$824.00 | |
| SUBTOTAL = | | | | \$824.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$0.00 | |
| TOTAL NATIONAL FEE = | | | | \$824.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/> | | | | \$0.00 | |
| TOTAL FEES ENCLOSED = | | | | \$824.00 | |
| | | | | Amount to be: refunded | \$ |
| | | | | charged | \$ |

| | | |
|----|-------------------------------------|--|
| a. | <input type="checkbox"/> | A check in the amount of _____ to cover the above fees is enclosed. |
| b. | <input type="checkbox"/> | Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. |
| c. | <input checked="" type="checkbox"/> | The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>20-0778</u> |
| d. | <input checked="" type="checkbox"/> | Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

LINDER, Christopher B.
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP
 100 Galleria Parkway, N.W.
 Suite 1750
 Atlanta, Georgia 30339-5948
 US


 SIGNATURE
Christopher B. Linder
 NAME
47,751
 REGISTRATION NUMBER
03 September 2004
 DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

In re: Geese et al.

DT09 Rec'd PCT/PTO 03 SEP 2004

10/506740

For: CG3842 HOMOLOGOUS PROTEINS INVOLVED IN THE REGULATION OF ENERGY HOMEOSTASIS

CERTIFICATE OF EXPRESS MAIL

Mail Stop PCT (DO/EO/US)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

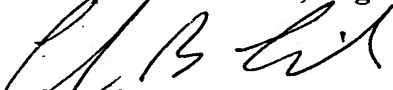
Enclosed for filing in the above case are the following documents:

Return Postcard
Computer Diskette with Sequence Listings;
Transmittal Letter to the US Designated Office
(DO/EO/US) (2 Pages);
Credit Card Authorization Form;
Copy of Published International Application Consisting of:
Publication Page
56 Pages of Specification
6 Pages of Claims
22 Pages of Drawings;
International Search Report;
PCT Request Form (PCT/RO/101);
Notification Relating to Declaration Made Under PCT Rule 4.17
(PCT/IB/371);
Notification of the Recording of a Change (PCT/IB/306); and
Hard Copy of Sequence Listings

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

Christopher B. Linder, Reg. No. 47,751


**THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.**
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Atlanta, Georgia 30339-5948

Our Docket No: 220401-1020

I hereby certify that all correspondences listed above are being deposited for delivery to the above addressee, with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # EV547997503US.

Date: 3 September 2004


Lara L. O'Brien